

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) An apparatus for transmitting inductive energy to a battery pack, the battery pack including a microprocessor for processing data relevant to the inductive energy, the apparatus comprising:

a memory for storing computer readable instructions relevant to charging ~~a~~ the battery pack;

a processor unit operatively coupled to the memory; and

a transmission element operatively coupled to the processor so as to provide the inductive energy to the battery pack and to provide inductive data communications to the battery pack based on a polling message having a header and a payload, ~~the transmission element configured to provide a polling message to the power adapter, the polling message comprising periodic energizing and de-energizing of the transmission element.~~

2. (Original) The apparatus in accordance with claim 1, in which the memory includes authentication data for authenticating the battery pack for the inductive energy transmission.

3. (Original) The apparatus in accordance with claim 1, further comprising a communications device for receiving and transmitting data and the communications device being operatively coupled to the transmission element.

4. (Original) The apparatus in accordance with claim 1, further comprising an antenna and a communications device configured to receive the computer readable instructions and configured to transmit the instructions to the antenna for wireless data communications to a battery pack.

5. (Original) The apparatus in accordance with claim 1, in which the processor unit is configured to receive a plurality of charging parameters from the battery pack.

6. (Original) The apparatus in accordance with claim 1, in which the processor unit is configured to receive a digital security certificate from a battery pack.

7. (Original) The apparatus in accordance with claim 1, further comprising a plurality of transmission elements each configured to operate independently of each other.

8. (Currently amended) A battery pack configured for receiving inductive energy for charging, comprising:

a processor unit for processing computer readable data relevant to receiving the inductive energy and for processing data communications with a computer system;

a pick up coil configured for receiving the inductive energy and for receiving an inductive data communication ~~and for receiving a polling message~~;

a charger operatively coupled to the processor unit and the pick up coil; the charger configured to output a direct current ~~responsive to~~ powered by the inductive energy and relevant to the inductive data communication ~~and the polling message~~; and

an energy storage unit configured for receiving the direct current.

9. (Original) The battery pack in accordance with claim 8, in which the processor unit is configured to provide authentication data for inductive energy charging.

10. (Original) The battery pack in accordance with claim 8, further comprising a communications device operatively coupled to the pickup coil.

11. (Original) The battery pack in accordance with claim 10, in which the communications device is configured to receive the computer readable data and transmit the data to the pick up coil.

12. (Original) The battery pack in accordance with claim 8, in which the processor unit is configured to provide a plurality of charging parameters to a charging source which provides the inductive energy.

13. (Original) The battery pack in accordance with claim 8, in which the processor unit is configured to provide a digital security certificate to a charging source.

14. (Original) The battery pack in accordance with claim 8, in which the processor unit is configured to send data to the computer system so as to indicate it is receiving inductive energy.

15. (Original) The battery pack in accordance with claim 9, further comprising an antenna and a communications device configured to receive the computer readable data and configured to transmit the data to the antenna for wireless data communications to a charging source.

16. (Currently amended) A computer implemented method of charging a battery pack, comprising the ~~step~~ steps of:

receiving a polling message from a charging source, the polling message ~~comprising periodic energizing and de-energizing of the source~~ including a data structure having a header and a payload;

transmitting a request for power to the charging source responsive to the polling message; and

receiving inductive power or an inductive data communication from the charging source responsive to the transmitted request.

17. (Original) The method in accordance with claim 16, in which the step of transmitting includes a step of transmitting charging parameters to the charging source.

18. (Original) The method in accordance with claim 16, in which the step of transmitting includes a step of transmitting authenticating data to the charging source.

19. (Original) The method in accordance with claim 16, further including a step of initiating a charger responsive to the step of receiving.

20. (Original) The method in accordance with claim 16, further including a step of transmitting data to a computer system for indicating the step of receiving inductive power.

21. (Original) The method in accordance with claim 16, further including a step of displaying an object on a graphical user interface indicative of the step of receiving.

22. (Currently amended) A computer readable medium having computer readable instruction thereon, comprising the step of:

receiving a polling message from a charging source, the polling message including a data structure having a header and a payload comprising periodic energizing and de-energizing of the source;

transmitting a request for power to the charging source responsive to the polling message; and

receiving inductive power and an inductive data communication from the charging source responsive to the transmitted request.

23. (Original) The computer readable medium in accordance with claim 22, in which the step of transmitting includes a step of transmitting charging parameters to the charging source.

24. (Original) The computer readable medium in accordance with claim 22, in which the step of transmitting includes a step of transmitting authenticating data to the charging source.

25-27. (Canceled)

28. (New) The battery pack of claim 8 wherein the inductive data communication includes a polling message including a header and a payload.

29. (New) The battery pack of claim 28 wherein the payload includes at least one of an operating parameter and authentication information.

30. (New) The battery pack of claim 29 wherein the operating parameter corresponds to a charging voltage or a maximum expected power consumption.